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S/194/62/000/008/033/100 ..  
D201/D308

97150

AUTHORS: Hulík, Zdeněk, and Fridrich, Jan

TITLE: Insertion circuit for binary coding devices

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika,  
no. 8, 1962, abstract 8-2-184 1 (Czech. pat., cl. 21 a<sup>3</sup>  
32/20; 21 a<sup>1</sup>, 7/01, no. 98854, Mar. 15, 1961).

TEXT: A circuit for connecting a binary code encoder device is patented. The device has two systems of input terminals. Each code digit is obtained by the change of potential across a given pair of input terminals, one for each system. The principle of insertion consists in that the number of terminals of the first system is equal to the number of shift digits while the number of terminals of the other system corresponds to the number of basic digits, i.e. of digits no one of which can be transformed into the other by cyclic transposition with any number of places. The description of the device and an example of its application are given. [Abstracter's note: Complete translation.] ✓

Card 1/1

BIRCAK,J.; NIKS,M.; STEINER,J.; HULIN,I.; technicka spolupraca:KOLESAROVA,V.

Functional capacity of the cardiopulmonary system in adolescence. III. Effect of work stress on some basic indices of blood circulatory efficiency. Bratisl.lek.listy 2 no.9: 541-558 '63.

1. Katedra pediatrie I. Lek. fak. Univ.Komenskeho v Bratislave (veduca: prof. MUDr. I.Jakubcova) a Oddelelnie klinickej patofyziologie pri katedre experimentalnej patologie a farmakologie (veduci katedry: doc. MUDr. E.Barta, C.Sc.).

\*

NIKS, Milan; STEFANOVIC, Jan; CAGAN, Stanislav; GABRIK, Jozef; HULIN, Ivan

At attempt to influence certain biological properties of blood cells  
and blood serum by electric shock. Biologia 15 no.6:438-444 '60.  
(KEAI 9:10)

1. Katedra experimentalnej patologie a farmakologie Lekarskej  
fakulty Univerzity Komenskeho, Bratislava.

(ELECTRIC SHOCK)

(BLOOD)

(SERUM)

(PHAGOCYTES)

KUBIS, Jan, MUDr.(Bratislava, Revova 35); NIKS, Milan, MUDr., C.Sc.(Bratislava, Leskova 5); HULIN, Ivan (Bratislava, Lesna 353)

Changes in the white blood corpuscles of dogs after simulated feeding.  
Biologia 16 no.3:202-208 '61. (EEAI 10:9/10)

1. Katedra experimentalnej patologie a farmakologie Lekarskej fakulty  
Univerzity Komenskeho, Bratislava.

(DOGS) (BLOOD)

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spoluprace KOLUSAROVA, V.

Functional capacity of the cardiopulmonary system in adolescents.  
Bratisl. Lek. Listy 42 no.2:671-682 '62.

1. Z I. detskej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduca  
doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologie Lek. fak.  
Univ. Komenskeho v Bratislave, veduci doc. MUDr. E. Barta, C.Sc.  
(SPIROMETRY in adolescence)

BIRCAK, J.; NIKS, M.; HULIN, I.; STEINER, J.; technicka spolupraca KOLESAROVA, V.

Functional capacity of the cardiopulmonary system in adolescence.

II. Evaluation of the mechanism of ventilation by the method of detailed expiration. Bratisl. Lek. Listy 43 no.2:65-76 '62.

I. Z I. detskej kliniky Lek. fak. Univ. Komenskeho v Bratislave,  
veduca doc. MUDr. I. Jakubcova, a z Ustavu experimentalnej patologie  
Lek. fak. Univ. Komenskeho v Bratislave, veduci doc. MUDr. M. Burta,  
C. Sc.

(RESPIRATION physiol) (ADOLESCENCE)

BIRCAK, J.; NIKS, M.; STEINER, J.; HULIN, I.; RIECANSKY, I.; Tech. spolupr. KOLESAROVA, V.

Functional efficiency of the cardiopulmonary system during  
the period of adolescence. IV. Relation of physical per-  
formance to some somatic indices. Bratisl. lek. listy 2  
no. 11: 637-648 '63.

1. Katedra pediatrie I. Lek. fak. Univ. Komenskeho v Bratislave;  
(vedouca: doc. MUDr. I. Jakubcova) a Oddelenie klinickej pato-  
fiziologie pri Katedre experimentalnej patologie a farmakolo-  
gie, Lek.fak. Univ. Komenskeho v Bratislave (vedouci katedry:  
doc. MUDr. E. Barta, C.Sc.)

KLIMENT, V.; VALENT, M.; HULIN, I.; RIECANSKY, I.

On changes in the blood picture in indicated pregnancy inter-  
ruptions. Bratisl. lek. listy 44 no.10:628-632 30 N '64

1. Mestsky ustav narodniho zdravi, gynekologicko-porodnicke  
oddelenia (veduci - doc. MUDr. V. Kliment); oddelenie klinickej  
patofiziologie pri Katedre experimentalnej patologie Lek. fakulty  
Univerzity Komenskeho v Bratislave (veduci - doc. MUDr. E. Barta,  
CSc.).

HULINSKY, Vasilav

Laser with shutter as generator of impulses with often re-peated frequency. Pokroky mat fyz astr 8 no.6:345 '63.

Control system working with infrared rays directs a rocket at the start. 361

Infrared detectors warn of volcanic eruptions. 361

HULISZ, Janina; HULISZ, Stanislaw

Technical and economic premises justifying the construction of raw material drying chambers in plants for wood dry distillation. Przem drzew 12 no.11:25-27 '61.

(Wood)

PROSINSKI, Stanislaw; CZECHOWSKI, Zdzislaw; HULISZ, Janina; HULISZ, Stanislaw

Studies on the possibility of using certain products obtained in  
the thermolysis of coniferous wood for solubilisation of  
naphthalene in gas pipes. Koka 7 no.6:242-243 N-D '62.

1. Katedra Chemicznej Technologii Drewna, Wyższa Szkoła Rolnicza,  
Poznań, i Fabryka Rozkładowej Destylacji Drewna, Gryfino.

HULISZ, Janina; HULISZ, Stanislaw

Technical and economic premises justifying the construction of raw material drying chambers in plants for wood dry distillation. Przem drzew 12 no.11:25-27 '61.

(Wood)

PROSINSKI, Stanislaw; CZECHOWSKI, Zdzislaw; HULISZ, Janina; HULISZ, Stanislaw

Studies on the possibility of using certain products obtained in  
the thermolysis of coniferous wood for solubilization of  
naphthalene in gas pipes. Koks 7 no.6:242-243 N-D '62.

1. Katedra Chemicznej Technologii Drewna, Wyższa Szkoła Rolnicza,  
Poznań, i Fabryka Rozkładowej Destylacji Drewna, Gryfino.

PROFINSKI, Stanislaw; CZECHOWSKI, Zdzislaw; HULISZ, Stanislaw

Allyl alcohol occurring in some fractions of distillate  
obtained in hardwood pyrolysis. Roczniki wyz szkola rol/  
Poznan 16: 125-133 '63.

1. Department of Chemical Technology of Wood, College  
of Agriculture, Poznan.

*HULL KH, 11.*

NEMEC, Pavol; DROBNICA, Ladovit; ANTOS, Kamil; KRISTIAN, Pavol; HUIKA,  
Alexander; HORAKOVA, Matatina

Cancerostatic action of beta-naphthylisothiocyanate. Neoplasma,  
Bratisl. 5 no.2:207-208 1958.

1. Faculty of Chemistry, Slovak Polytechnical University, Bratislava.  
Authors' address: Prof. Dr. P. Nemeč and co-workers, Chémicka fakulta  
Slovenskej vysokej školy technickej, Bratislava, Kollarovo námestie 1.

(CYANATES, effects,  
β-naphthylisothiocyanate, on exper. cancer)  
(CYTOTOXIC DRUGS, effects,  
same)

HULLKA, A.

Distr: 4E2c(j)/4E3d

✓ Isothiocyanates. I. V. The effect of the isothiocyanate group on the aromatic ring. K. Antoš, P. Kristian, A. Hulka, R. Rusina, P. Neugeb, and L. Drobnič (Slovenská vysoká škola techn., Bratislava, Czech.). *Chem. scripta* 16, 365-71 (1960) (German summary); cf. *CA* 54, 22432e.—To det. the effect of the isothiocyanate group on electron density of the aromatic ring, absorption max. of various thiocyanates of various derivs. of dimethylaminobenzene in the visible spectral area were studied. The max. showed that the isothiocyanate groups in the *o*- and *p*-positions cause a greater movement of the absorption max. towards higher wave lengths than in the *m*-position, which indicated that there was a possibility of condensing  $\pi$ -electrons in *o*- and *p*-positions. In the case of Me homologs, the position of the Me group could move the max. to higher or lower wave lengths. From the max., especially of 4-isothiocyanato-4'-dimethylaminobenzene, at 433 m $\mu$  it could be judged that the isothiocyanate group had a moderate deactivation effect on the aromatic ring and it was very close to the effect of the isocyanate ( $\lambda$  433 m $\mu$ ) and CH:CH<sub>2</sub> ( $\lambda$  435 m $\mu$ ) groups. The validity of the structure RN<sup>+</sup>[CS-] was proved.

Jan Mietek

2<sup>7</sup>  
1-ROW (EW)  
1-JAJ (NE)

KRISTIAN, Pavel, inz., C.Sc.; ANTOS, Kamil, doc., inz., C.Sc.; HULKA, Alexander,  
inz.; NEMEC, Pavel, člen korespondent Slovenskej akademie vied Držnica,  
Ludevit, inz., C.Sc.

Isothiocyanates. Part 8: Examination of the synthesis of diisothiocyanates and amineisothiocyanates of acridine. Chem svesti 15 no.10:  
730-736 ('61).

1. Katedra organickej chemie and Katedra technickej mikrobiologie a  
biochemie Slovenskej vysekej školy technickej, Bratislava. Authors'  
address: Bratislava, Kollarevo nam. 2, Chemicky pavilon Slovenskej  
vysekej skoly technickej.

SOKOL, F.; HULKA, A.; ALBRECHT, P.

Fluorescent antibody method. Conjugation of fluorescein isothiocyanate with immune  $\gamma'$ -globulin. *Folia microbiol.* 7 no.3:155-161 '62.

1. Institute of Virology, Czechoslovak Academy of Sciences and  
Chair of Organic Chemistry, Slovak Technical Institute, Bratislava.  
(ANTIBODIES) (GAMMA GLOBULIN)  
(FLUORESCENT DYES)

KRISTIAN, Pavel, inz., C.Sc.; KOVAC, Stefan, dr., inz., C.Sc.;  
ANTOS, Kamil, doc., inz., C.Sc.; HULKA, Alexander, inz.

Isothiocyanates (X). Polycondensated aromatic isothiocyanates.  
Chem zvesti 16 no.7:542-552 Jl '62.

1. Katedra organickej chemie, Slovenska vysoka skola  
technicka, Bratislava, Kollarovo namesti 2, Chemicky  
pavilon.

VLACHOVA, D.; ZAHRADNIK, R.; ANTOS, K.; KRISTIAN, P.; HULKA, A.

Kinetics of the reaction with OH<sup>-</sup> ions and polarography of aromatic isothiocyanates. Coll Cs Chem 27 no.12:2826-2840 D '62.

1. Institute of Industrial Hygiene and Occupational Diseases, Prague, and Department of Organic Chemistry, Slovak Technical University, Bratislava. 2. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague (for Zahradnik).

HULKA, F.

"Repair of Injection Nozzles", P. 599, (SVET MOTORU, Vol. 8, No. 19,  
Sept. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

HULKA, F.

"What Kind of Brakes," p. 600, (Svet Mocory, Vol. 5, No. 10, Sept. 1954,  
Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EPAI) LC, Vol. 3, No. 12,  
Dec. 1954, Uncl.

HULKEN, I.

"Problem of Gluing Multiple Thicknesses of Paper Bags." p. 33, Praha, Vol. 9, no. 1/2,  
Jan./Feb. 1954.

SO: East European Acquisitions List, Vol. 3, No. 9, September 1954, Lib. of Congress

L 36346-66 EWT(m)/T/EWP(e)/EWP(t)/ETI IJP(c) AT/WH/WW/JQ/JD  
ACC NR: AP6007809 (A) SOURCE CODE: UR/0021/66/000/002/0200/0203

AUTHORS: Berezhnoy, A. S. (Corresponding member AN UkrSSR);  
Hul'ko, N. V. --- Gul'ko, N. V.

ORG: Ukrainian Institute of Refractory Materials (Ukrajins'kyy  
instytut vohnetryviv)

TITLE:  $\text{Al}_2\text{O}_3 - \text{ZrO}_2 - \text{TiO}_2 - \text{SiO}_2$  Subsolidus structure of the six-component system  $\text{Fe}_2\text{O}_3 - \text{Cr}_2\text{O}_3$

SOURCE: AN UkrRSR. Dopovidi, no. 2, 1966, 200-203

TOPIC TAGS: six-component system, subsolidus structure, solid solution

ABSTRACT: On the basis of experimental data, thermodynamic calculations, and geometrical considerations 57 coexistent pairs of phases were determined. The results of the terahedration of 3 of 15 quaternary subsystems analyzed are presented. The six-component system below the solidus surface is composed of 16 elementary hexatopes, 10 of which are degenerated because of the formation of a continuous series of solid solutions between some phases. The investigated system is one of simplest six-component oxide systems. Orig. art. has 4 figures and 2 tables.  
[NT]

SUB CODE: 11/ SUBM DATE: 27Mar65/ ORIG REF: 001/  
Card 1/1

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831

SOURCE: AN URGENT, Deposit, no. 12, 1964, 1614-1617

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831C

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00051831(

L 31394-66 EWP(j) RM  
ACC NR: AP6021113

SOURCE CODE: CZ/0043/65/000/012/0892/0899

AUTHOR: Kratnar-Smogrovic, Juraj--Krochiar-Smogrovich, Yu. (Docent; Doctor; Pharmacist; Candidate of sciences; Bratislava); Hulkova, Olga--Gulkova, O. (Engineer; Bratislava); Lucanska, Brigita--Luchanska, B. (Graduate pharmacist; Bratislava); Blahova, Maria--Blagova, M. (Graduate pharmacist; Bratislava)

40  
B

ORG: Department of Inorganic and Organic Chemistry, Pharmaceutical Faculty, Comenius University, Bratislava (Katedra anorganickej a organickej chemie Farmaceutickej fakulty Univerzity Komenskeho)

TITLE: Complex compounds of Cu with organic ligands (II). Copper-o-cresotinate complexes

SOURCE: Chemicke zvesti, no. 12, 1965, 892-899

TOPIC TAGS: organocopper compound, ion, spectrophotometry, ethanol, water, chemical precipitation

ABSTRACT: Reaction of Cu<sup>II</sup> ions with cresotinic ions in water solutions precipitates the trihydrate salt of Cu<sub>2</sub>(C<sub>8</sub>H<sub>7</sub>O<sub>2</sub>)<sub>4</sub>. The compound is also formed by the action of o-cresitinic ions upon water solutions of Bis(salicylate)-diaquo-Cu<sup>II</sup> complexes. The substitution of the salicylate ion by the cresotinic ion was confirmed spectrophotometrically. The molecular ligands water

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L 31394-66

ACC NR: AP6021113

2.

and ethanol are more strongly bound in the isolated complexes than in the original salicylate complex. These ligands are liberated only at 100°C and at pressures of 20-30 torr. The authors thank Graduate Physicist T. Obert for help in measuring the absorption spectrum and Graduate Pharmacist V. Hartelov for conducting the elementary analysis. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 24Aug65 / ORIG REF: 002 / OTH REF: 004  
SOV REF: 001

Card 2/2 CC

HULLAH

HULLAH

3273. Development [in Hungary] of prefabricated medium-voltage metal-clad (sheet-steel-enclosed) switchgear. E. RUSKAY, A. KARA AND I. HAGYI. *Elektrotechnika*, 47, 98-113 (April 1984) [Hungarian].

The history of metal-clad switchgear is reviewed and present-day designs are described. A standard scheme has been worked out with 7 basic cell units. These units permit the construction of single-busbar switchgear to cover all practical requirements. Designs are given incorporating bulk oil, small oil volume and expansion (water) circuit breakers. It is concluded that with the possible exception of large stations, metal-clad gear can be used to advantage. In the case of power stations, transformer stations connected to the national network or large industrial installations, the superiority of metal-clad gear over open-cell construction might, however, be open to argument. Problems of manufacture are discussed in detail.

1. ESTAD

(3)

CM  
MIT

HULLAY, J.

Surgical treatment of temporal epilepsy. Acta med. hung. 7 no.3-4;  
295-321 1955.

1. Department of psychiatry and neurology, University Medical  
School, Debrecen.  
(EPILEPSY, surgery,  
temporal epilepsy)

HULLAY, József, dr.

New aspects of surgery in parkinsonian tremor. Ideg. szemle  
8 no.1:1-5 Feb 55.

1. Debreceni Orvostudományi Egyetem Ideg- és Elmagyogyászati  
Klinikájának kötetlenye.

(PARALYSIS AGITANS  
post-encephalitic, pathomechanism of tremor &  
surg. (Hung))

HULLAY, József, dr.

Experiences in surgery of focal epilepsy. Ideg. szemle 8 no.4:  
103-112 Aug 55.

1. A Debreceni Orvostudományi Egyetem Ideg- és Elmekortani  
klinikájának kísleménye.

(EPILEPSY, surg.  
observations in 12 cases. (Hung))

HULLAY, József, dr.

Acoustic tumor: problems of partial and radical excision.  
Ideg. szemle 8 no.5:148-151 Oct 55.

1. A debreceni Orvostudományi Egyetem Ideg- Elmeklinikájának  
közleménye.

(NEURILEMOMA  
acoustic nerve, surg. (Hun))  
(NERVES, ACOUSTIC, neoplasms  
neurilemoma, surg. (Hun))

HULLAY, József, dr.

Possible results of surgery on patients with brain tumor. Orv.  
hetil. 96 no.38:1037-1039 18 Sept 55.

1. A Debreceni Orvostudományi Egyetem Ideg-Elmeklinika janak  
közleménye.  
(BRAIN, neoplasms,  
surg.)

HULLAY, József, dr.

Problems in the surgery of intracranial abscesses. Magy.  
sebesset 9 no.1:4-13 Feb 56.

1. A debreceni Orvostudományi Egyetem Ideg. és Elmeklinikájának  
koslémánya.

(BRAIN, abscess  
surg. (Hung))

(ABSCESSES  
brain, surg. (Hung))

HULLAY, Jozsef, dr.,; HABERLAND, Katalin, dr.

Clinical and pathological observations on athetosis after  
ligation of anterior choroidal artery. Ideg szemle 9 no.3:  
42-46 Apr 56

1. A debreceni Orvostudomanyi Egyetem Ideg Elmeklinikajának  
koslemenye. (mb. igazgató: Rusa Sandor dr. docens)  
(ATHETOSIS, surg.

ligation of anterior choroidal artery (Hun))  
(ARTERIES, CAROTID, surg.

ligation of anterior choroidal artery in athetosis (Hun))

HULLAY, Jozsef, dr.

Manifestations of temporal epilepsy by analysis of temporal responses. Ideg. szemle 9 no.3:90-93 June 56.

1. A debreceni Orvostud. Egyetem Ideg-Klin. kozl.  
(EPILEPSY

temporal, demonstration by responses to temporal electric stimulation (Hun))

HULLAY, Jozsef, dr.

Surgery of cerebral angioma. Magy. sebeszet 9 no.4:217-222  
Aug 56.

1. A Debreceni Orvostudomanyi Egyetem Ideg-Elmeklinika janak  
kozlemensye.

(BRAIN, NEOPLASMS, surg.

angioma (Hun))

(ANGIOMA, surg.

brain (Hun))

HULLAY, Jozsef, dr.

Prognosis in operated brain gliomas based on 100 verified cases. Orv. hetil. 97 no.38:1046-1049 16 Sept 56.

1. A Debreceni Orvostudomanyi Egyetem Ideg- Elme Klinikajának  
(mb. igazgató: Russ, Sándor, dr. docens) közleménye.

(BRAIN, neoplasms

gliomas, postop. follow-up & prognosis (Hun))

(GLIOMA, surg.

brain, postop. follow-up & prognosis (Hun))

EXCERPTA MEDICA Sec 8 Vol 12/3 Neurology Mar 59

1463. DATA ABOUT THE PROBLEM OF THE MEMORY FUNCTION, BASED UPON ELECTRIC STIMULATION OF THE CORTEX IN TEMPORAL EPILEPSY - Données concernant le problème de la 'memory function' basées sur la stimulation corticale électrique des épileptiques temporaux - Hullay J. Sect. de Neuro-Chir., Clin. Neuro-Psychiat., Debrecen - ACTA MED. ACAD. SCIENT. HUNG. (Budapest) 1957, 11/1 (159-165) Illus. 3

Fifty patients with temporal epilepsy received electric stimulation of T<sub>1</sub>, T<sub>2</sub>, T<sub>3</sub> (cortex) and the rhinencephalon (pars hippocampi). Stimulation was delivered by bipolar electrodes, 3 to 5 V., 60 c.p.s. Thirty-one patients responded with illusions, hallucinations, impaired or rhythmic memory evocation. Temporal cortex excitation (method of Penfield) has some sort of 'trigger' role, but the main process of reevocation of past perceptions must be attributed to the rhinencephalon (hippo-campus and nucleus amygdali).

Courchet - Paris

HULLAY, JÓZSEF, DR

TOMITS, Gabriella M., dr.; HULLAY, József, dr.

Otoneurological picture and radical removal of otogenic cerebellar abscesses. Pul orr gegegyogy. No.1:1-5 Mar 57.

1. A Debreceni Orvostudományi Egyetem Pul-Orr-Gegeklinikájának (igazgató: Versar, Gyula, dr. egyet. tanár) és Idegklinikájának (mb. igazgató: Russ, Sándor, dr. egyet. docens) közleménye.  
(CHROMBELLUM, abscess  
otogenic, otoneurol. picture & surg. (Hun))

HULLAY, Jozsef.

Intracranial meningiomas; surgical experiences and results. Magy.  
sebeszet 10 no.2-3:105-113 Apr-June 57.

1. A Debreceni Orvostudomanyi Egyetem Ideg-es Elmegyogyaszati  
klinikajának közlemenye M.b igazgató: Rusz Sandor dr. egy. docens.

(MENINGIOMA, surg.

intracranial (Hun))

(CRANIUM, neoplasms

meningioma, intracranial, surg. (Hun))

HULLAY, Jossef, dr.

Variations in the pontocerebellar location of the acoustic tumor;  
surgical observations; Ideg. szemle 10 no.2:49-51 May 57.  
(NEURILEMMOMA)

acoustic nerve, variations in pontocerebellar location  
(Hun))

(NERVES, ACOUSTIC, neoplasms  
neurilemmoma, variations in pontocerebellar location  
(Hun))

HULLAY, J.

Data concerning the problem of memory function based on the electric stimulation of the cortex in temporal epilepsy. Acta med. hung. 11 no.1: 159-165 1957.

1. Section de Neuro-Chirurgie de la clinique neuro-psychiatrique,  
Debrecen,

(EPILEPSY, physiol.

memory evocation by electric stimulation of cerebral cortex in temporal epilepsy (Fr))

(CEREBRAL CORTEX, physiol.

memory evocation by electric stimulation of cortex in temporal epilepsy (Fr))

(MEMORY, physiol.

evocation by electric stimulation of cerebral cortex in temporal epilepsy (Fr))

HULLAY, Jozsef, dr.

Our results in the surgery epilepsy. Orv. hetil. 98 no.22:  
592-594 2 June 57.

1. A Debreceni Orvostudomanyi Egyetem Ideg- Elmeklinikajának  
koszteménye.  
(EPILEPSY, surg.  
(Hung))

EXCERPTA MEDICA Sec 8 Vol 12/3 Neurology Mar 59

1618. RESULTS OF SURGICAL TREATMENT OF CHRONIC BRAIN ABSCESES -  
Chronicus agytalyogok muteti gyógyítása karcsán szerzett tapasztalatok -  
Hullay J., Ideg-Elmeklin. Idegebészeti O. ztálj., Debrecen 12 - ORV.  
HETIL. 1958, 99/5 (159-161) Tables 2

- An account of the clinical symptoms and surgical experiences with 20 cases of chronic cerebral abscesses. The radical solution, i.e. total excision, is advocated, but in certain cases, because of the localization, one must be satisfied with puncture and drainage. Of 20 patients (0 with multiple, resp. multisaccular abscesses) only one patient died following operation. Three yr. after the operation one patient died due to an intercurrent disease (tetanus), 12 patients were free of symptoms, 3 acquired epilepsy, and 3 others hemiparesis. All of them were capable of working, but the ability to work has been reduced in 3 cases.

Hullay - Debrecen

KAJTOR, Ferenc, Dr.; HABERLAND, Katalin, Dr.; HULLAY, Jozsef, Dr.; ANGYAN, Andras, Dr.

Electro-clinical study in epileptics with sclerosis of Ammon's horn treated with lobectomy. Ideg. szemle 12 no. 4:117-127 Apr 59.

1. A Debreceni Orvostudomanyi Egyetem Ideg-Elmeklinika janak (Igazgato: dr. Juhasz Pal Egyetemi tanar) koslemenye.

(HIPPOCAMPUS, pathol.

sclerosis of horn of Ammon in epilepsy, surg., lobotomy & postop. EEG (Hun))

(EPILEPSY, pathol.

sclerosis of horn of Ammon, surg., lobotomy & postop. EEG (Hun))

(PSYCHOSURGERY, in various dis.

lobotomy in epilepsy with sclerosis of horn of Ammon, postop. EEG (Hun))

(ELECTROENCEPHALOGRAPHY, in various dis.

epilepsy with sclerosis of horn of Ammon, EEG after lobotomy (Hun))

HULLAY; KISSER; TARAGO; Iajos; TOROK; Pal

Data on memory functions based on electric cortical stimulations in temporal epilepsy. Ideg. szemle 11 no.1-2:15-17 Feb-Apr 58.

(MEMORY,

funct. of memory cortex studies by electric cortical stimulations in temporal epilepsy (Hun))

(CEREBRAL CORTEX, physiol.

memory cortex funct. studied by electric cortical stimulations in temporal epilepsy (Hun))

HULLAY, József

Experiences on the surgery of chronic cerebral abscesses. Orv. hetil.  
99 no.5:159-161 2 Feb 58.

1. A Debreceni Ideg-Elmeklinika Idegsebeszeti Osztalyanak közleménye.  
(BRAIN, abscess  
surg. of chronic abscesses (Hun))

HARASZTI, Erzsebet, dr.; HULJAY, Jozsef, dr.

Surgery of intracerebral hemorrhage. Ideg. szemle 13 no.5:  
153-160 My '60.  
(CEREBRAL HEMORRHAGE surg.)

GOMBI, Rosa, dr.; HULLAY, Jozsef, dr.

Intracranial metastases. Ideg. szemle 13 no. 10:306-319 O '60.

1. A debreceni Orvostudomanyi Egyetem Ideg-Elmeklinikajának  
(igazgató: Dr. Juhász Pál egyet. tanár) kötleménye.  
(BRAIN NEOPLASMS)

GOMBI, Roza, dr.; HULLAY, Jozsef, dr.

Experience with urevert. Surgical observations. Ideg. szemle  
14 no.1:9-14 Ja '61.

1. A Debreceni Orvostudomanyi Egyetem Ideg- Elmeklinika  
(Igasgato: Dr. Juhasz Pal egyetemi tanar) koslemenye.  
(INTRACRANIAL PRESSURE)  
(UREA ther)  
(HEXOSES ther)

HULLAY, J.; GAL, Julia

On cysts of the foramen of Monro (paraphyseal cysts of the 3d ventricle). Acta chir Acad Sci Hung 2 no.3:297-310 '61.

1. Neurologisch-Psychiatrische Klinik (Direktor: Prof. Dr. P.Juhasz)  
der Medizinischen Universitat, Debrecen.  
(CENTRAL VENTRICLES diseases) (CYSTS case reports)

#

HULLAY, Jozsef

Responses obtained by an electrically stimulated temporal lobe and epileptic attacks produced in the temporal lobe.  
Biol orv kozl MTA 13 no.1-2:105-129 '62.

1. Debreceni Ideg- es Elmegyogyaszati Klinika Idögsebeszeti Isztalya.

HULLAY, Jozsef, dr.

Personality, patho-psychiatric manifestations and effects of lobectomy  
in temporal epilepsy. Ideggyogy. szemle 15 no.5:155-160 My '62.

1. Debreceni Orvostudomanyi Egyetem. Ideg- es Elmegyogyaszati Klinika-  
janak (Igasgato: Juhasz Pal dr. egyet. tanar) kozlemenye.

(PSYCHOSURGERY) (EPILEPSY surg)  
(PERSONALITY) (TEMPORAL LOBE dis)

HULLAY, Jozsef, dr.

Complications after the resection of the root of the trigeminal nerve.  
Ideg.szemle 15 no.1:26-31 Ja '62.

1. Debreceni Orvostudomanyi Egyetem Ideg- es Elmegyogyaszati Klinika  
(igazgato: Juhasz Pal dr. egyet. tanar) kozlemenye.

(TRIGEMINAL NEURALGIA surg)

HULLAY, Karoly

State of the innovation movement of the Budapest Railroad  
Directorate, Vasut 14 no. 3&15 Mr '64.

KUBAN, Milan, inz., CSc.; HULMAN, Rudolf, inz.

Determination of the volume weight and humidity of earth in  
compacting by radioactive radiation. Inz stavby 11 no. 12:  
473-477 D '63.

1. Slovenska vysoka skola technicka, Bratislava, Katedra  
zakladania stavieb, geologie a priehrad.

PLACHINSKA, Janina; KRUCZALOWA, Maria, asyst. techn. HULNICKA, Helena

Use of a function test on mice for the determination of the immunogenic force of various strains of S. typhi and typhoid endotoxin. Przegl. epidem. 16 no.1:13-18 '62.

1. Z zakladu Epidemiologii AM w Warszawie. Kierownik prof. dr F. Przesmycki i z Wytworni Surowic i Szczepionek w Krakowie Doradca naukowy prof. dr Z. Przybylakiewicz.  
(TYPHOID immunol) (VACCINES)

D 18836-65 FWT(4)/CIT(m)/BPF(n).2/EXP(2)/EXP(k)/EXP(l)/ZER(m)-2/T/EXP(1)  
PT-n/Pn-L AZIC(5)/SSD  
ACCESSION NR: AP4044865

2/0033/EL/000/009/C312/0322

Jan 27, 1981, Jan (Gulovets, Vaclav) Juse, Jaroslav

TITLE: Development and construction problems of the first Czechoslovak nuclear reactor power plant // 14

Author: Jaderne energie, no. 9, 1984, Prague

TOPIC TAGS: nuclear power plant, reactor, pressure vessel, power output, fuel element

ABSTRACT: This article reports on the principal scientific research which was necessary in connection with the testing of the reliability of the equipment of the first Czechoslovak nuclear electric power plant of the Vysocina power station at the present stage of the test.

- 4 -

L 18836-65

ACCESSION NR: AP4044865

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work alert has delayed construction as it has been necessary to design, construct, and install parts of the technological installations of the plant.

At present, the unit is not yet in operation, since the unit of greater power was designed with a greater economy of operation, and has by far a more economical construction.

Card 2/4

L 12836-65  
ACCESSION NR: AP4044865

here, it is not necessary to reckon with either a sharply increased active zone height or with increased thermal power drawn from the unit volume of active zone, which is already fairly high in the first electric power plant ( $10 \text{ MW/m}^3$ ). It may be expected, therefore, that the 200-Mw power stage will have a pressure chamber of 6.4 m average diameter, and the 400-Mw stage a pressure chamber of 8.8 m diameter. The height of the pressure chamber would not at the same time be substantially changed. The pressure chamber of the reactor of the first electric power plant cannot be transported fully assembled. It was designed, therefore, so that it could be assembled at the plant construction site. The engineering and operation reliability of the steam generator were tested on a full-scale model of one section. Adjustable blade flow control in exhaust and sealing (packing) systems was tested on a 1:1 scale blower model. The effect of thermal shock on the piping in the case of emergency reactor shutdown, and the influence of

unit power output is being designed and planned on the basis of the design and development experience discussed here. Increased unit power output of this type of

Card 3/4

140408S

Reactor will obviously depend on changes in the concept of the core of the reactor itself, in particular of the fuel element. This problem is now under study.  
Orig. art. has: 19 figure.

ASSOCIATION: [Hulovec, Jusa, Kmarek, Korenek, Wagner] Zavody V. I. Lenina,  
Pilsen (Lenin Plant); [Kriger] Prvni brnenska strojirna, "Prvni" Mlejnka Brno, Czech  
Machine Building Plant; Clement Litteria, Prague

REF ID: A6

ENCL: 00

SUB CODE: HP

INC PAP SCV: 001

OTHER: 009

... have dynamic properties of the control system of the power plant.

... nuclear power plant, have been developed by the RERI.

... the case of failure or breakdown of the plant equipment or of the control system

large control system whose function is to ensure normal operation of all three blocks in the 66-100% power level range. The dynamic properties of this type of nuclear electric power generating plant permit, in the case of failure of the electric-water system, very rapid adjustment of the power level. Results of the

Card 1/2

AMERICAN AIRLINES AIRPORTS INC.

Investigation of the dynamic behavior of the aircraft landing gear equipment are aimed at reducing the risks of failure. The investigation is carried out by the American

AVIATION RESEARCH CENTER

AMERICAN AVIATION RESEARCH CENTER  
1000 14th Street, N.W.  
Washington, D.C. 20004  
(Telephone) 202-342-1200  
(Telex) 202-342-1200

HULOVEC, Jan

Determination of heating velocity of primary circuit A-1.  
Jaderna energie 9 no.118356 '63.

1. Zavody V.I.Lenina, n.p., Plzen.

HULOVEC, Jan; HRSTKA, Vladimir

Examination of dynamics of the control system of the  
AK 50-A turbine used in the first Czechoslovak atomic  
power plant. Jaderna energie 9 no.11: 356 '63.

1. Zavody V.I.Lenina, n.p.o., Plzen.

Z/038/62/000/008/002/007  
D407/D301

AUTHOR: Hulovec, Jan

TITLE: Additional stress on the structure of a power reactor with small thermal inertia caused by the interference of the safety system

PERIODICAL: Jaderná energie, no. 8, 1962, 268-273

TEXT: The article discusses the problem of excessive stress (temperature and pressure) imposed on the structure of a gas-cooled power reactor at shut-down by inserting safety rods. In the first part, the paper determines and formulates the time dependence of temperature, pressure and flow rate in various sections of the gas-coolant loop at emergency reactor shut-down, and investigates the possibility of rapid coolant-flow reduction and its influence on the gas characteristics. In the second part, the paper compares the excessive thermal and compressive stress imposed on reactor elements at emergency shut-down with and without coolant-flow reduction. The results are summarized as follows: 1) Rapid reduction of the gas-

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Z/058/62/000/003/002/007

D407/D301

Additional stress on the structure ...

coolant flow rate reduces the temperature drop of the gas at the 'hot' outlet and the danger of damaging reactor elements (i.e. the gas outlet and main piping) by the thermal shock is eliminated to a great degree. 2) Reduction of the gas-flow volume can be effected to a certain degree by rapid turning of control blades (pitch adjustment) and simultaneous opening of the blower by-pass, however, there is a critical point where gas-flow reversal may occur. 3) The excessive compressive stress, exerted on the reactor structure by non-uniform gas-pressure changes, can practically be eliminated by gas-flow reduction. 4) The use of automatic computers is of great advantage in reactor calculation. There are 4 figures and 1 table. The English-language reference is: A. Ševčík: Engineering and economic aspects of the construction of an atomic power station in Czechoslovakia. A/CONF. 15/P/2092. (Technical Editor: A. Ševčík).

ASSOCIATION: Závody V.I. Lenina, Plzeň (V.I. Lenin Works, Plzeň)

Card 2/2

THE JOURNAL OF

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Caj. Trabajos. Descripción

Lund, Princeton (Scientific Works) Guelph, Ontario, Canada, 1979.  
657 p. (Lund also issued, No. of copies printed not given). No  
subscription needed.

**NOTES:** This book is intended for mathematicians, physicists, chemists, and  
civil and mechanical engineers.

**CONTENTS:** This book consists of 29 papers by Russian specialists on problems in  
mechanics and technology, particularly mathematics, physics, elasticity,  
mechanical, civil and mechanical engineering. Similar to Russian and  
French editions, there are cited at the end of each article, some of the articles  
are accompanied by references. No personalities are mentioned. At the back  
of the book there are 20 references, all Russian.

**TABLE OF CONTENTS:**

MR. CHANDLER

CHISU, A.; MAROS, D.; ALBU, T.; HULPE, Gh.; BOGDAN, M.; MATIESAN, Dorina;  
DALY, A.; VERES, A.; SZABO, A.

Contributions to the studies on the wear of spur gear wheels with  
straight teeth made of nodular graphite cast iron with the aid of  
radioactive isotopes. Bul stiint polit Cluj 6:213-223 '63.

1. Institute of Atomic Physics, Magurele (for Szabo).

CHISU, A.; MAROS, D.; ALBU, T.; HULPE, G.; MATIESANU, D.; DALY, A.;  
VERES, A.; SZABO, A.

Determining the wear and tear on cogwheels by radioactive  
isotopes. Bul stiint polit Cluj no.5:217-223 '62.

1. Institutul de fizica atomica Cluj (for Szabo).

R/008/62/013/006/005/008  
A065/A126

AUTHORS: Chișu, A., Maroș, D., Albu, T., Hulpe, G., Mateișanu, D., Daly, A., Szabo, A.

TITLE: Contributions to the investigation of the wear of gears by means of radioactive isotopes

PERIODICAL: Studii și cercetări de mecanică aplicată, v. 13, no. 6, 1962, 1,549  
- 1,555

TEXT: A Co<sup>60</sup> bolt, 3 mm long and 1 mm in diameter, was introduced into the tooth-face of a gear of globular pearlite cast iron, while the gear was then subjected to a long-period test in a universal gear testing machine provided with a closed circuit lubrication and a Geiger-Müller counter. The radioactive particles, retained together with the wear dust by the oil filter, were detected by the Geiger-Müller counter, whereas the impulses were counted in 1/2-hour intervals. The qualitative wear curves, traced on the basis of this method, show the evolution of the wear depending on time and load. Presented are then the calibration process used for the qualitative estimation of the wear, as well as the

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Contributions to the investigation of ....

R/008/62/013/006/005/008  
A065/A126

calculation of the wear of the tested gear. The precision of these measurements is limited by the statistic character of the radioactive disintegration. In the case of the conducted experiments, the statistic error varied between  $\pm 2\%$  and  $\pm 5\%$ . These preliminary experiments compiled in a table present the result of the wear test, depending on time and load. The tests conducted by the Institutul politehnic (Polytechnical Institute) in Cluj, the Laboratorul de radioizotopi, Institutul de fizică atomică (Laboratory of Radioisotopes, Institute of Nuclear Physics) in Cluj, and the Uzinele "1 Mai" ("1 Mai" Plant) in Ploiești, will be continued. There are 4 figures.

ASSOCIATIONS: Institutul politehnic (Polytechnical Institute) in Cluj (Chigu, Maroș, Albu, Hulpe, Mateișanu, and Daly); Institutul de fizică atomică (Institute of Nuclear Physics) in Cluj (Szabo)

SUBMITTED: June 16, 1962

Card 2/2

HULPOI, N.

Problem of water used in agriculture and the self-purification property of soil. p. 49.

HIDROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Romania Vol. 4, no. 2, Feb. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 3, no. 7, July 1959.

Uncl.

HULTAI, L.

Letter from Warsaw. p. 13.  
New traffic regulation for Budapest published. p. 13.  
(AUTO MOTOR. Vol. 8, no. 17, Sept. 1955. Budapest.)

SO: Monthly List of East European Accession. (EEAL). Lc. Vol 4 Nov. 11 Nov. 1955 Uncl.

HULTAY, Ferenc, MIHALYI, Ferenc

Evaluation of ceramic tools on the ground of foreign literature and  
Hungarian practice. Pt. Gepgyartastechn 1 no.2:68-75 My '61.

HULTAY, Ferenc; MIHAIL, Ferenc

Evaluation of ceramic tools on the basis of foreign literature and Hungarian practice. Pt.1. Gepgyartastechn 1 no.1:5-9 Ap '63.  
(MIRA 17:2)  
1. Pres es Kovacsoltarugyar (for Hultay). 2. Szerszamgepfejleszto Intezet  
(for Mihalyi).

L 9346-66 EPA/EWT(d)/EWT(1)/EWP(w)/EWP(f)/EWP(v)/T-2/EWP(k)/ETC(m)/EWA(h)  
ACC NR: AP5013763 EM/WW PO/0008/65/000/005/0115/0120

AUTHOR: Hultsch, M.

TITLE: A comparison of the thrust of convergent and convergent-divergent nozzles  
used in jet engines

SOURCE: Technika lotnicza, no. 5, 1965, 116-120

TOPIC TAGS: jet engine, nozzle design, convergent nozzle, divergent nozzle, friction loss, Laval nozzle, turbojet engine, civil aviation

ABSTRACT: The advantages and disadvantages of convergent C and convergent-divergent CD (La Deval) nozzles are analyzed and discussed from the standpoint of thrust. The results show that 1) the Mach numbers at the nozzle exit of turbojet engines under launching conditions are slightly higher than 1; 2) the C nozzles are superior to the CD nozzles with respect to thrust in this range of Mach numbers; 3) the superiority of the C nozzles decreases under cruising conditions and the CD nozzles become more advantageous; and 4) the advantage of CD nozzles under cruising conditions is small and, consequently, the application of C nozzles to turbojet engines in civil aviation is justifiable. It is concluded that the advantage of CD nozzles under cruising conditions will increase with the rise in the velocity and altitude of the flights of passenger planes. "This article is a translation of a German article published in Jahrbuch der Luftfahrtforschung der DDR, 1959." Orig. art. has: 17 formulas, 5 figures, and 1 table.

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L 9346-66

ACC NR: AP5013763

APPROVED FOR RELEASE: Thursday, July 27, 2000 SUB CODE: CIA-RDP86-00513R0005131C

ASSOCIATION: none

ENCL: 00

SUBMITTED: 00

OTHER: 000

NO REF SOV: 000

Card 2/2 1d

Hulubei, Dan

*Hulubei, Dan. Sur les configurations relatives à l'équilibre astatique. Acad. Repub. Pop. Romine. Stud. Cerc. Mat. 6 (1955), 203-235. (Romanian. Russian and French summaries)*

1 - F/W

The rigid body (S) is said to be in astatic (indifferent) equilibrium under the action of  $n$  constant forces  $F_i$  ( $i=1, 2, \dots, n$ ), applied at the fixed points  $P_i$  of (S),

provided that (S) remains in equilibrium regardless of its position. The author gives a proof for the (known) conditions for the astatic equilibrium and investigates some particular instances. The cases  $n=1, 2, 3$  and that of 4 forces not in parallel planes are trivial. The general cases of 4, 5, 6 and 7 forces are not trivial and are studied in some detail. Nine theorems are proven,

connecting projectively the set of points  $P_i$  and the directions  $g_i$  of the  $F_i$ . Characteristic is the following statement: In the case  $n=6$ , if all points  $P_i$  belong to the same conic section, then the 6 directions  $g_i$  are the generators of a second-degree conic. E. Grosswald.

GAVOZDEA, Ion, ing.; GHERMAN, Victor, ing.; CHIOVEANU, M., ing.; GHINDOC, Elieodor, ing.; MIHUL, Boris, ing.; HULUBEI, Emil, ing.

Ways of productivity. Constr Buc 17 no.792:4 13 Mr '65.

1. Director, Regional Trust for Constructions, Cluj (for Gavozdea). 2. Director, Group No.3 of Construction Sites, Roman, Regional Trust for Construction, Bacau (for Gherman). 3. Chief Engineer, Enterprise No.4 of Constructions and Assembling (General Directorate of Construction and Assembling) Bucharest (for Chioveanu). 4. Enterprise for Industrial Constructions and Assembling, Brasov (for Ghindoc). 5. Chief Engineer, Construction and Assembling Trust No.5, Brasov (for Mihul). 6. Chief Engineer, Hydrotechnical and Municipal Construction Trust, Constanta (for Hulubei).

HULUBEI, H., acad.; NEAMU, I.; FRANZ, I.; MARTAICU, N.; SCINTEI, N.;  
IVASCU, M.; BERINDE, A.;

Diffusing protons with 4,90 and 5,30 Me V energy on aluminum.  
Studii cerc fiz 14 no.6:741-745 '63.

1. Institutul de fizica atomica, Bucuresti.

HULUBEI, Horia

Atomic Physics

Romanian

"Weak lines in L-spectrum of Ra," Chem. Abs., 1937.

HULUBEI, Horia

Atomic Physics

Romanian

"K-emission spectrum of Ga and Ge," Chem. Abs., 1938.

HULUBEI, Horia

Atomic Physics

Rumanian

"L-spectra of Ra(88) in emission and absorption," Chem. Abs., 1938.

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Atomic Physics

Rumanian

With Y. Cauchois, "Element 93 in a natural state," Chem. Abs., 1938, 1939.

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Atomic Physics

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"Element 87 (Moldavium)," Chem. Abs., 1940, 1943.

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Atomic Physics

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With Y. Cauchois and S. Cotelle, "Detn. of at. no. of Po," Chem. Abs., 1939.

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Atomic Physics

Romanian

"Emission spectra of Rn and its derivatives--lines attributable to element 85,"  
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HULUBEI, Maria      Atomic Physics      Romanian

"Element 65 among the products of disintegration of Rn," Chem. Abs., 1940.

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Atomic Physics

Romanian

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Atomic Physics

Romanian

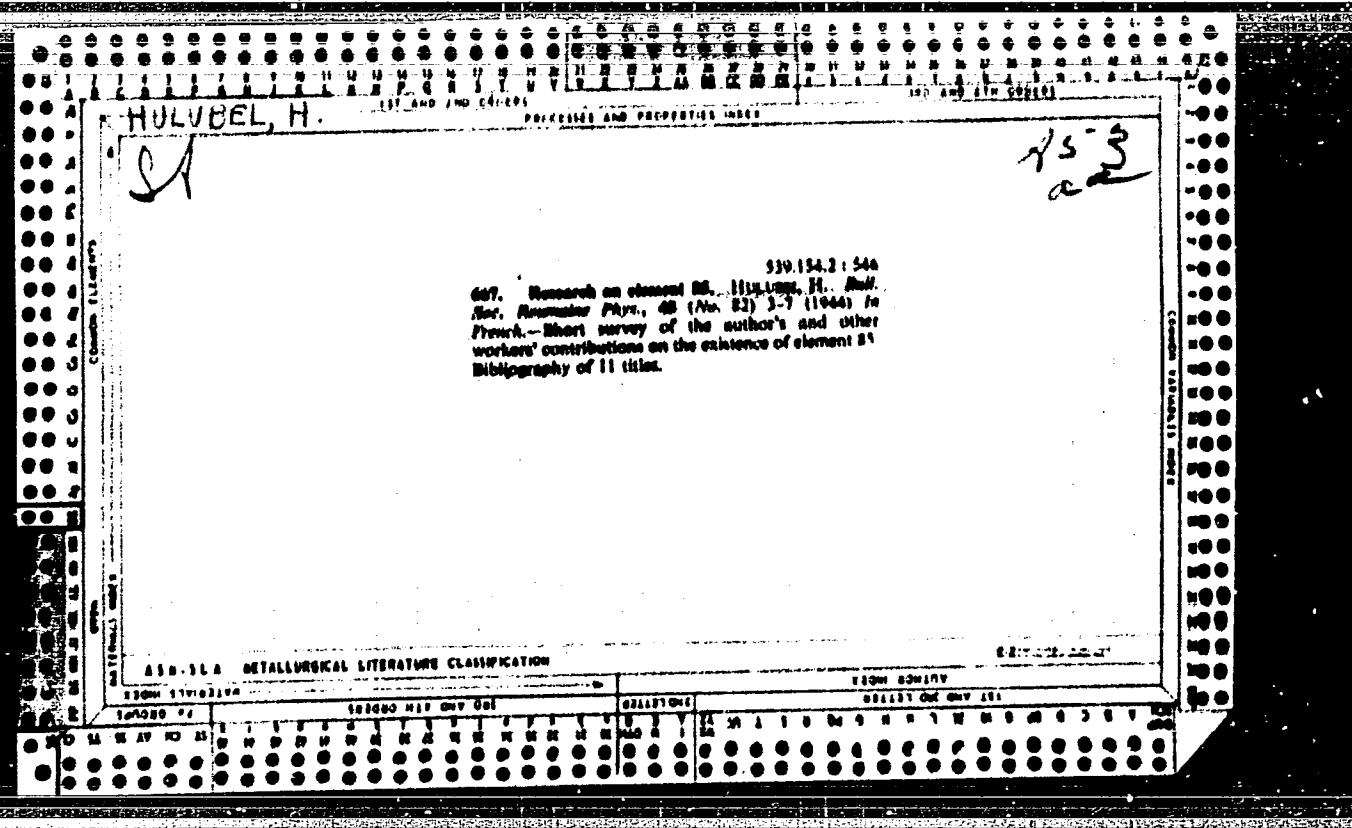
"K-absorption spectra of Ga, Ge, As and Se--influence of the chem. state of the element," Chem. Abs., 1942.

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Atomic Physics

Romanian

"Jean Perrin," Chem. Abs., 1944.



HULUBEI, Maria

Atomic Physics

Romanian

"Stable isotope of at. no. 64," Chem. Abs., 1947.

HULUBSI, Horia,

Atomic Physics

Romanian

With Y. Cauchois, and I. Manescu, "Emissions in the KB spectrum," Chem. Abs., 1940.

HULUBEI, Horia

Atomic Physics

Romanian

"Isotopes of at. no. 85," Chem. Abs., 1945.

HULUBET, Horia

Atomic Physics

Romanian

With Y. Cauchois, "Longueurs d'onde des émissions X et des discontinuités d'absorptions X (book)," Chem. Abs., 1950.

Length  
Slopes  
Wave Lengths of X Rays and of the discontinuities  
of X absorptions

HULUBEI, H.

Alexandru Preca; eminent scientist.

p. 239 (Academia Republicii Populare Române. Institutul de Fizica. Studii Si Cercetari De Fizica. Vol. 7, no. 2, Apr./June 1956. Bucuresti, Rumania)

Monthly Index of East European Accessions (EE.I) IC. Vol. 7, no. 2,  
February 1958

HuluBei, H.

9 8

*✓ Absolute measurement of thermal neutron flux intensities. Horia Cipici, C. Negru, Al. Berinde, M. Ivancu, and N. Martaloru. Acad. rep. populare Române, Inst. fiz. atomică și Inst. fiz. studiilor cercetăriști. 10, 223-8 (1959); cf. Locqueneux, C.A. 44, 6717; Haenry, C.A. 45, 5528; Mercier, C.A. 48, 1822d.—NIKFI nuclear emulsions are impregnated with  $\text{Li}_2\text{B}_3\text{O}_5$ , and B and Li concns. are detd. with 1% accuracy. A Ag sheet between the channel and the emulsions eliminates the resonance component. Several layers of the emulsion are successively exposed to the flux, at different time intervals. The slope of the graph representing the superficial d. of the tracks due to B as a function of ir. radiation time, enables detn. of the abs. value of the thermal neutron flux. Accuracy achieved is 3%, and the method has been verified for neutron fluxes emerging from a reactor channel, as well as from a 1-c. Po-Be source. A new method of layer scanning enables control of the accuracy of the measurement.* M. Lapidot